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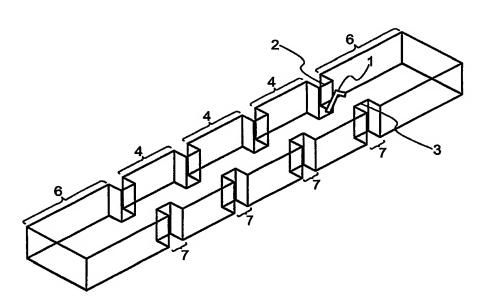
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(54) Title: BANDPASS FILTER WITH PSEUDO-ELLIPTIC RESPONSE



(57) Abstract: The invention proposes an H-plane filter with inductive irises which exhibits a quasi-elliptic response while retaining the same compactness as a filter having a Chebyshev response. The invention furthermore makes it possible to use a large number of transmission zeros. For this purpose, there is proposed a waveguide filter comprising at least one cavity (4) delimited by at least two inductive irises (7). The filter furthermore comprises at least one floating insert (1) placed in one of the inductive irises (7). The invention is also a process for manufacturing the waveguide filter incorporating at least one insert.

